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ABSTRACT

The present invention relates to a method for
transmitting binary data at a rate of R bits per second

5   via an optical conductor of length d. A transmitter
produces pulses of duration τ, which is considerably
shorter than the bit period 1/R associated with the
rate R. Owing to the dispersive characteristics of the
optical conductor, these pulses are broadened on their

10   path to the receiver to a value which is approximately
equal to the bit period 1/R. One advantage is that
there is no a priori need to use a laser with a narrow
spectral width to achieve a long transmission distance
d.

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Figure 2